INDEX TO VOLUME 147, JULY-DECEMBER, 1932

	139	Landing Carriage for AirplanesLangley Field Conference	295 174	Embalming, New Paraffin Method of Ether Containers, Copper Lined	232 49
	315 309	Launching and Landing, Novel Ideas	108	Solvents	40
Fertilizer, Granular	356	Lift Increase Devices	240	Solvents Fruits, Artificial Fog Protects Gasket Compound (Glyptal)	41
Fertilizer, Improved Phosphate	311 102	Macon, New Features in	238 173	Gassing Lawn Ants	300 48
Fruit Trees, Dwarfing Fruits, Artificial Fog Protects Lignite Used for Fertilizer	41	Model Airplane Meet	173	Gassing Lawn Ants	
Lignite Used for Fertilizer	110	Model Airplane Meet Mooring Mast, Telescopic	358	Chemistry Chemical	105 247
	249 234	Motors on Airliners, Synchronizing Night Flying With Safety	173 71		110
Pop Corn of Greater Size	48	Oxygen Equipment Pilots Must Fly Blind	45	Helium Reported in Trinidad	176
	240	Pilots Must Fly Blind	174	Helium Reported in Trinidad	169
X-Ray Treatment of Plants ANTHROPOLOGY, See Archeology, Ethn	108	Plane Too Fast For Its Own Gun	43 298	Away	104
ogy and Anthropology	101-	Radio, Aircraft, Covers Two Wave-		Away Iron in Foods Lead Corrosion, Contamination Accel-	234
ogy and Anthropology ANTHROPOLOGY, PHYSICAL		hande	311	Lead Corrosion, Contamination Accel-	365
Child Identification With Animals	121	Refueling Planes at Sea	358 43	Lumber, Chemical	374
ARCHEOLOGY, ETHNOLOGY AND		Skyways That Link the Americas Spin, Coming Out of a	342	Nitrocellulose Lacquers in Japan	176
ARCHEOLOGY, ETHNOLOGY AND ANTHROPOLOGY	0.0	Spin, Coming Out of a	237 108	Oil, Hydrogenated Lubricating Organic Chemical Analysis, New	310
America, How It Was First Peopled America, When Was It Discovered?	85	Summer Camp, Aviation Super-Airliner, German	360	Technique of	58
Archeologist's Note Book	345	Superchargers and Air Records	295		371
Baalbek, Columns from	151	Superchargers and Air Records Training Plane (Nicholas-Beazley) Transatlantic Air Services	300 75	Rasorite Discovery Promises Better	242
Bronce Disease Curing	151 345	Transatlantic Air Services Transatlantic Airships Possible?	172	Glass	57 355
Bronze Disease, Curing Egyptian Temple Yields Secrets Epigraphers at Work 198- Herculaneum, Courtyard at	34	Transatlantic Airships Possible? Transoceanic Flights, Statistics of	107	Soap, Moth-Proofing	355
Epigraphers at Work 198-	202	Tubing To Resist Vibration	109	Sugar From Artichokes	110
Indian Evidences of Early	6	Tubing To Resist Vibration Wings, Folding on Kinner Airster BIOGRAPHY AND PORTRAITS	77	Sulfuric Acid in Holland	113
Indian, Evidences of Early	97	Barnes, Right Rev. E. W. Beach, Alfred Ely	31	Telephone Wire, Chemical Insulation	314
Man, Ancient, New Notes On	156	Beach, Alfred Ely	354 77	Turtle Oil for Cosmetics	370 234
	199 151	Burgess, Dr. George K	139	Ultracentrifuge	106
Rise of Man. New Knowledge of	199		74	Vitamin C Improved	55
Sasanian Culture, New Light on	275	de Sitter, Willem Fessenden, Reginald A Kunz, Dr. George F.	· 233	Vitamin C Improved CLOTHING REFORM, MEN'S COMMERCIAL PROPERTY NEWS 60.	124
Serpent Worship in Africa Solo Man—A New Fossil Skull	154	Kunz, Dr. George F.	139	188, 232, 310,	378
White Indians, Are there?	139	Lemaire, Abbé G. MacMillan, William Duncan Marshall, Charles R. Marshall, E. B. Ocker, Major William C.	31	COPYRIGHTS	
ARCHITECTURE. See Building Construct.	ion	MacMillan, William Duncan	325 272	Copyright Infringement by Film Ex- hibitor	61
ARMI AND NAVI	26	Marshall, E. B.	363		253
Navy, Our, Why Build Up Now? Tank, Amphibious, British	50	Ocker, Major William C.	174	CRIME	224
ASTRONOMY			154 261		234 107
Amateur Astronomer52, 118, 180, 2 304, 332,	366	Parsons, Charles Lathrop	74	Fingerprint Identification Devices	177
Eclipse, August, 1932, Solar	90	Rice, Oscar	133	Slot Machines for Gambling	350
Eclipse, August, 1932, Solar	74	Ritchey, George Willis	69	Ultra-Violet Light and Forgery	116
Eclipse, Bad Weather and a New	338	Santos-Dumont, Alberto	237	182, 246, 306,	368
	146	Santos-Dumont, Alberto	197	DAMS	
Ritchey, Professor, and His Work	20	Tolman, R. C. Wise, Col. Hugh D. 140,	32	Hoover Dam 134, 135, Hoover Dam Tunnels, Electricity Digs	330
Star Colors and Star Temperatures	270 208	Young W. I.	345	Protecting by Floating "Suspension	550
Telescope Maker, Amateur	80.	Young, W. J. BIOLOGY	010	Bridges"	19
Telescope Maker, Amateur	366	Menagerie, Your Internal	346	Bridges' Susquehanna Dam (Safe Harbor) DIESEL ENGINES	94
Telescope, Ritchey-Chrétien	20 30	BOATS Hydroplane, Pontoon	236	Tractors, Diesel Engine for	302
Unknown Lines, Mystery of	14	Hydroplane, Pontoon Motorboat Speed Record-Packard En-		ELECTRICITY	
	210	BOTANY	363	Arc Welding Competition Awards	122
Stars, Physical Laboratories of the Unknown Lines, Mystery of	218 14	Lily. Tropical	362	Arc Welding Competition Awards Arc Welding Technique, Shielded Beacons, Airways, With Double Beams	121
AUTOMOBILES		Lily, Tropical		Beacons, Airways, With Double Beams	373
	364	Concrete Bridge, George Westing-	276	Brush Pitting, Curing Carillon Without Bells	312
Carbureter Mixture Measured	308 374	Passaic-Hackensack River Viaduct	276 83	Cathode Rays Detect Elements	240
	168	Passaic-Hackensack River Viaduct San Francisco-Oakland Bridge	331	Elevator for Stairways	313
	354	BUILDING CONSTRUCTION. See		Farmers Finding New Uses for Filament, Hairlike, Lamp	314
	311 120	also Welding Freight Terminal	226	Fuses, Boric Acid for	233
Oil. Synthetic Motor (Syntholube)	250	Houses of the Future	228	Hotbeds, Electrical	309
Rail Tire	42	Nail. New. Treatment	241	Illumination of Airway Controlled by Photo-Electric Cells	360
DIOM OF THREE TRIANGE	365 302	Prison, Women's	33		248
Streamlining Suggestion, Debatable	176	Replace	114	Lamp Construction, New Lamps, Gravity Impact Tester for Machinery at Hoover Dam Mercury-Vapor Power Plant Music, Electronic. Ore Detector Power System Analyzer Ranges, Modern Style	248
AVIATION		Steel Floor, Interlocking Steel Houses, Frameless	57	Machinery at Hoover Dam	354
	236 109	RUSINESS	337	Music, Electronic	308
Airplane Hook-on for the Akron	172	Back to The Farm	139	Ore Detector	232
Air Strength, Our	370	Chemistry in Gasoline Ads	272 120	Ranges Modern Style	105
Air Transport	203	Chemistry in Gasoline Ads Civil Service "Coaching" Schools,	120	Ranges, Modern Style Research in the Future Sphere-Gap Voltmeter Telephone Cables	12
Around the World Contest	358	Warning Against	253	Sphere-Gap Voltmeter	5
Autogiro Capabilities Backfires, Preventing Beacons, Airway, With Double Beam: Boeing Transport Plane Bomber to Transport Plane Bomber to Transport Plane	43	Competition, Unfair in Watch Trade Construction Wages	316 139	Telephone Press Dial. Automatic	364
Beacons, Airway, With Double Beam	109 373	Federal Trade Commission Reversed	317	Telephone Wire, Chemical Insulation	314
Boeing Transport Plane	70	Forty, Too Old at	267	Transmission Line Design	263
	236	"Packers Consent Decrees" Not Modi-	124	ENGINEERING, CIVIL	293
Caternillar Club Roster Lists 475	272	fied Rabbit Raisers Warned Against Big-	124	Concrete Pumped Through Pipes Highway Fills, Explosives Settle Hoover Dam 134, 135, 222, Passaic-Hackensack River Viaduct	169
	300	Pront Lures	113	Hoover Dam134, 135, 222,	330
Chairs, Airplane	43	Radio Advertising	267 75	Passaic-Hackensack River Viaduct	11
Curtiss-Wright Duck	45 238	Recovery CHEMISTRY	15	Public Projects Rock Island Project Completed Subway, First New York Susquehanna Power Development	23
Dashboards Lighted by Ultra-Violet	237		57	Subway, First New York	354
		Alcohol-Resisting Lacquer. Alcohol Was a Cosmetic. Ammonia, Synthetic, Dutch Plant	370	Susquehanna Power Development	263
Engine Power Increasing	45	Ammonia, Synthetic Dutch Plant	294 185	DESCRIPTIONS MADINE	
Engine Room of Junkers G-38	295	Autumn Leaves, Chemistry of	242	Cavitation Studies	17
Engine, What Is Needed In Aircraft	107	Autumn Leaves, Chemistry of Bacteria Produce Vegetable Oils	123	Cavitation Studies ENGINEERING MECHANICAL Airplane Propellers in Power Plant Rolling Electric Motor Frames Schurzer Cycle Engine	41
English Visit of Our Aviation Editor	356	Bromine Plant	364	Rolling Electric Motor Frames	55
Fire Fighting, Aerial	46	Cleaning	115	Schwarz Cycle Engine	115
Flight, Observations of an Early	176	Carbon Black, U. S. Supplies World	312	Stresses Made Visible	281
Flying Suit One and Two Blace	109	Celluloid Discovery of	113 313	Tests, Unusual, on Springs	122
Gasoline, Proper, for Aircraft Motors	300	Chemists, "If" For (Poem)	183	ENTOMOLOGY, See Insects	
"Double Action" Deeble Motor. Do-X Returns Safely. Engine Power, Increasing. Engine Room of Junkers G-38. Engine, What Is Needed In Aircraft Engine, What Is Needed In Aircraft Engine Reliability. English Visit of Our Aviation Editor Fire Fighting, Aerial. Flight, Observations of an Early. Flying in the Beginning	300	Cleaning Carbon Black, U. S. Supplies World Cellophane Wrapping Celluloid, Discovery of Chemists, "If" For (Poem) "Coffee-Gas" in Brazil Correction Presists Pairs	170	Schwarz Cycle Engine Stresses Made Visible Stroboscope, Sound Turns Eye Into Tests, Unusual, on Springs ENTOMOLOGY. See Insects ETHNOLOGY. See Archeology, Ethnol	og
Horizon, Artificial, Improved	176		50 57	and Anthropology EUGENICS	
Horizon, Artificial, Improved Illumination of Airway Controlled by Photo-Electric Cells	360	Dry-Cleaning Machines, Individual Elements Detected by Cathode Rays	240	Babies, Expensive	267

INDEX TO VOLUME 147, JULY-DECEMBER, 1932

	139	Landing Carriage for AirplanesLangley Field Conference	295 174	Embalming, New Paraffin Method of Ether Containers, Copper Lined	232 49
	315 309	Launching and Landing, Novel Ideas	108	Solvents	40
Fertilizer, Granular	356	Lift Increase Devices	240	Solvents Fruits, Artificial Fog Protects Gasket Compound (Glyptal)	41
Fertilizer, Improved Phosphate	311 102	Macon, New Features in	238 173	Gassing Lawn Ants	300 48
Fruit Trees, Dwarfing Fruits, Artificial Fog Protects Lignite Used for Fertilizer	41	Model Airplane Meet	173	Gassing Lawn Ants	
Lignite Used for Fertilizer	110	Model Airplane Meet Mooring Mast, Telescopic	358	Chemistry Chemical	105 247
	249 234	Motors on Airliners, Synchronizing Night Flying With Safety	173 71		110
Pop Corn of Greater Size	48	Oxygen Equipment Pilots Must Fly Blind	45	Helium Reported in Trinidad	176
	240	Pilots Must Fly Blind	174	Helium Reported in Trinidad	169
X-Ray Treatment of Plants ANTHROPOLOGY, See Archeology, Ethn	108	Plane Too Fast For Its Own Gun	43 298	Away	104
ogy and Anthropology	101-	Radio, Aircraft, Covers Two Wave-		Away Iron in Foods Lead Corrosion, Contamination Accel-	234
ogy and Anthropology ANTHROPOLOGY, PHYSICAL		hande	311	Lead Corrosion, Contamination Accel-	365
Child Identification With Animals	121	Refueling Planes at Sea	358 43	Lumber, Chemical	374
ARCHEOLOGY, ETHNOLOGY AND		Skyways That Link the Americas Spin, Coming Out of a	342	Nitrocellulose Lacquers in Japan	176
ARCHEOLOGY, ETHNOLOGY AND ANTHROPOLOGY	0.0	Spin, Coming Out of a	237 108	Oil, Hydrogenated Lubricating Organic Chemical Analysis, New	310
America, How It Was First Peopled America, When Was It Discovered?	85	Summer Camp, Aviation Super-Airliner, German	360	Technique of	58
Archeologist's Note Book	345	Superchargers and Air Records	295		371
Baalbek, Columns from	151	Superchargers and Air Records Training Plane (Nicholas-Beazley) Transatlantic Air Services	300 75	Rasorite Discovery Promises Better	242
Bronce Disease Curing	151 345	Transatlantic Air Services Transatlantic Airships Possible?	172	Glass	57 355
Bronze Disease, Curing Egyptian Temple Yields Secrets Epigraphers at Work 198- Herculaneum, Courtyard at	34	Transatlantic Airships Possible? Transoceanic Flights, Statistics of	107	Soap, Moth-Proofing	355
Epigraphers at Work 198-	202	Tubing To Resist Vibration	109	Sugar From Artichokes	110
Indian Evidences of Early	6	Tubing To Resist Vibration Wings, Folding on Kinner Airster BIOGRAPHY AND PORTRAITS	77	Sulfuric Acid in Holland	113
Indian, Evidences of Early	97	Barnes, Right Rev. E. W. Beach, Alfred Ely	31	Telephone Wire, Chemical Insulation	314
Man, Ancient, New Notes On	156	Beach, Alfred Ely	354 77	Turtle Oil for Cosmetics	370 234
	199 151	Burgess, Dr. George K	139	Ultracentrifuge	106
Rise of Man. New Knowledge of	199		74	Vitamin C Improved	55
Sasanian Culture, New Light on	275	de Sitter, Willem Fessenden, Reginald A Kunz, Dr. George F.	· 233	Vitamin C Improved CLOTHING REFORM, MEN'S COMMERCIAL PROPERTY NEWS 60.	124
Serpent Worship in Africa Solo Man—A New Fossil Skull	154	Kunz, Dr. George F.	139	188, 232, 310,	378
White Indians, Are there?	139	Lemaire, Abbé G. MacMillan, William Duncan Marshall, Charles R. Marshall, E. B. Ocker, Major William C.	31	COPYRIGHTS	
ARCHITECTURE. See Building Construct.	ion	MacMillan, William Duncan	325 272	Copyright Infringement by Film Ex- hibitor	61
ARMI AND NAVI	26	Marshall, E. B.	363		253
Navy, Our, Why Build Up Now? Tank, Amphibious, British	50	Ocker, Major William C.	174	CRIME	224
ASTRONOMY			154 261		234 107
Amateur Astronomer52, 118, 180, 2 304, 332,	366	Parsons, Charles Lathrop	74	Fingerprint Identification Devices	177
Eclipse, August, 1932, Solar	90	Rice, Oscar	133	Slot Machines for Gambling	350
Eclipse, August, 1932, Solar	74	Ritchey, George Willis	69	Ultra-Violet Light and Forgery	116
Eclipse, Bad Weather and a New	338	Santos-Dumont, Alberto	237	182, 246, 306,	368
	146	Santos-Dumont, Alberto	197	DAMS	
Ritchey, Professor, and His Work	20	Tolman, R. C. Wise, Col. Hugh D. 140,	32	Hoover Dam 134, 135, Hoover Dam Tunnels, Electricity Digs	330
Star Colors and Star Temperatures	270 208	Young W. I.	345	Protecting by Floating "Suspension	550
Telescope Maker, Amateur	80.	Young, W. J. BIOLOGY	010	Bridges"	19
Telescope Maker, Amateur	366	Menagerie, Your Internal	346	Bridges' Susquehanna Dam (Safe Harbor) DIESEL ENGINES	94
Telescope, Ritchey-Chrétien	20 30	BOATS Hydroplane, Pontoon	236	Tractors, Diesel Engine for	302
Unknown Lines, Mystery of	14	Hydroplane, Pontoon Motorboat Speed Record-Packard En-		ELECTRICITY	
	210	BOTANY	363	Arc Welding Competition Awards	122
Stars, Physical Laboratories of the Unknown Lines, Mystery of	218 14	Lily. Tropical	362	Arc Welding Competition Awards Arc Welding Technique, Shielded Beacons, Airways, With Double Beams	121
AUTOMOBILES		Lily, Tropical		Beacons, Airways, With Double Beams	373
	364	Concrete Bridge, George Westing-	276	Brush Pitting, Curing Carillon Without Bells	312
Carbureter Mixture Measured	308 374	Passaic-Hackensack River Viaduct	276 83	Cathode Rays Detect Elements	240
	168	Passaic-Hackensack River Viaduct San Francisco-Oakland Bridge	331	Elevator for Stairways	313
	354	BUILDING CONSTRUCTION. See		Farmers Finding New Uses for Filament, Hairlike, Lamp	314
	311 120	also Welding Freight Terminal	226	Fuses, Boric Acid for	233
Oil. Synthetic Motor (Syntholube)	250	Houses of the Future	228	Hotbeds, Electrical	309
Rail Tire	42	Nail. New. Treatment	241	Illumination of Airway Controlled by Photo-Electric Cells	360
DIOM OF THREE TRIANGE	365 302	Prison, Women's	33		248
Streamlining Suggestion, Debatable	176	Replace	114	Lamp Construction, New Lamps, Gravity Impact Tester for Machinery at Hoover Dam Mercury-Vapor Power Plant Music, Electronic. Ore Detector Power System Analyzer Ranges, Modern Style	248
AVIATION		Steel Floor, Interlocking Steel Houses, Frameless	57	Machinery at Hoover Dam	354
	236 109	RUSINESS	337	Music, Electronic	308
Airplane Hook-on for the Akron	172	Back to The Farm	139	Ore Detector	232
Air Strength, Our	370	Chemistry in Gasoline Ads	272 120	Ranges Modern Style	105
Air Transport	203	Chemistry in Gasoline Ads Civil Service "Coaching" Schools,	120	Ranges, Modern Style Research in the Future Sphere-Gap Voltmeter Telephone Cables	12
Around the World Contest	358	Warning Against	253	Sphere-Gap Voltmeter	5
Autogiro Capabilities Backfires, Preventing Beacons, Airway, With Double Beam: Boeing Transport Plane Bomber to Transport Plane Bomber to Transport Plane	43	Competition, Unfair in Watch Trade Construction Wages	316 139	Telephone Press Dial. Automatic	364
Beacons, Airway, With Double Beam	109 373	Federal Trade Commission Reversed	317	Telephone Wire, Chemical Insulation	314
Boeing Transport Plane	70	Forty, Too Old at	267	Transmission Line Design	263
	236	"Packers Consent Decrees" Not Modi-	124	ENGINEERING, CIVIL	293
Caternillar Club Roster Lists 475	272	fied Rabbit Raisers Warned Against Big-	124	Concrete Pumped Through Pipes Highway Fills, Explosives Settle Hoover Dam 134, 135, 222, Passaic-Hackensack River Viaduct	169
	300	Pront Lures	113	Hoover Dam134, 135, 222,	330
Chairs, Airplane	43	Radio Advertising	267 75	Passaic-Hackensack River Viaduct	11
Curtiss-Wright Duck	45 238	Recovery CHEMISTRY	15	Public Projects Rock Island Project Completed Subway, First New York Susquehanna Power Development	23
Dashboards Lighted by Ultra-Violet	237		57	Subway, First New York	354
		Alcohol-Resisting Lacquer. Alcohol Was a Cosmetic. Ammonia, Synthetic, Dutch Plant	370	Susquehanna Power Development	263
Engine Power Increasing	45	Ammonia, Synthetic Dutch Plant	294 185	DESCRIPTIONS MADINE	
Engine Room of Junkers G-38	295	Autumn Leaves, Chemistry of	242	Cavitation Studies	17
Engine, What Is Needed In Aircraft	107	Autumn Leaves, Chemistry of Bacteria Produce Vegetable Oils	123	Cavitation Studies ENGINEERING MECHANICAL Airplane Propellers in Power Plant Rolling Electric Motor Frames Schurzer Cycle Engine	41
English Visit of Our Aviation Editor	356	Bromine Plant	364	Rolling Electric Motor Frames	55
Fire Fighting, Aerial	46	Cleaning	115	Schwarz Cycle Engine	115
Flight, Observations of an Early	176	Carbon Black, U. S. Supplies World	312	Stresses Made Visible	281
Flying Suit One and Two Blace	109	Celluloid Discovery of	113 313	Tests, Unusual, on Springs	122
Gasoline, Proper, for Aircraft Motors	300	Chemists, "If" For (Poem)	183	ENTOMOLOGY, See Insects	
"Double Action" Deeble Motor. Do-X Returns Safely. Engine Power, Increasing. Engine Room of Junkers G-38. Engine, What Is Needed In Aircraft Engine, What Is Needed In Aircraft Engine Reliability. English Visit of Our Aviation Editor Fire Fighting, Aerial. Flight, Observations of an Early. Flying in the Beginning	300	Cleaning Carbon Black, U. S. Supplies World Cellophane Wrapping Celluloid, Discovery of Chemists, "If" For (Poem) "Coffee-Gas" in Brazil Correction Presists Pairs	170	Schwarz Cycle Engine Stresses Made Visible Stroboscope, Sound Turns Eye Into Tests, Unusual, on Springs ENTOMOLOGY. See Insects ETHNOLOGY. See Archeology, Ethnol	og
Horizon, Artificial, Improved	176		50 57	and Anthropology EUGENICS	
Horizon, Artificial, Improved Illumination of Airway Controlled by Photo-Electric Cells	360	Dry-Cleaning Machines, Individual Elements Detected by Cathode Rays	240	Babies, Expensive	267

EXPLOSIVES		Headaches From Food Sensitiveness	184	Patent Applications and Business	
Highway Fills, Explosives Settle	169	Heart, Don't Worry About	310	Cycles Patent Assignment Rights Defined	31 18
FACTORY MANAGEMENT Employee's Ideas Aid Industry	203	Heart, Don't Worry About Hospital Luxury for Rich or Poor Iodine Swab, "Fountain Pen" Kinship, Blood Test May Decide	340 247	Patent Assignment Rights Defined Patent Office Nearly 100 Years Old	6
FIRE ARMS		Kinship, Blood Test May Decide	362	Patent Office Records Broken331,	
Gun Recoil Control	289	Laxatives, Care in Use of	295 41	Patents and University Research	12
Rifle ManufactureShotgun Shells	214 352	Malaria Treatment of Insanity Unsuc-	41	Philippine Trademarks	31
FIRES	302	Malaria Treatment of Insanity Unsuc- cessful in Negroes	312	"Sano-Bath" Mark Rejected	37
Aerial Fire Fighting	46	Mental Disease, Alcoholic, Since Pro-	171	"Spartan" Battery Registration De-	20
Aerial Fire Fighting Sprinkler Installations, Quartz Bulb. FISH AND FISHERIES	166	Nasal Infection Avoiding	171 47	"Taylord" Mark Held Descriptive	25
Goldfish Gold from	268	Nasal Infection, AvoidingQuinine Taking, End of?	40	"Taylord" Mark Held Descriptive United States Patents Lead World	25
Goldfish, Gold from Salmon Fisheries	230	Protozoology Radium in Platinum Tubes	346	Varnish Trade Name Restricted Welder Trademark Allowed	25
Shark, Concerning the Tropical Fish As Pets	36	Sinus Trouble Pemedies	56 110	PHOTO-ELECTRIC CELLS	25
Tropical Fish As Pets	157	Sinus Trouble Remedies	58	Illumination of Airways	36
FOOD Biscuit-Dough, Canned	29	Sterility Caused by Caffein Overdose Thallium Poison Tuberculosis Cure, Chances for	41	Illumination of Airways. Photo-Electric Cell, Unit	12
Food Crimples on Promon	158	Tuberculosis Cure, Chances for	171	PHOTOGRAPHY	
Food Technology, Recent Advances in	293	Vitamin A Helpful in Ear Infections Vitamin C Improved Vitamins Reduce Lost Working Time	111 5 5	PHYSICS See also Pave	10
Gassing Fruit Delays Spoilage	372 250	Vitamins Reduce Lost Working Time	360	Atom, Splitting the	1
Food Technology, Recent Advances in Gassing Fruit Delays Spoilage Green Wrapping Protects Food Honey, Pure, Will Crystallize Ice Cream, Sharp Freezer Blades	59	Water, Drinking, for Road Workers Whooping Cough, Carbon Dioxide for X Rays in Cancer Treatment METALS. See Mines and Metallurgy	241	Focusing Range-Finder on Camera PHYSICS. See also Rays Atom, Splitting the Atomic Energy—Is It Nearer?	7
Ice Cream, Sharp Freezer Blades		Whooping Cough, Carbon Dioxide for	301 309		27
T i- P1-	315 234	METALS. See Mines and Metallurgy	303	Space, Is It Curved? POWER. See also Dams	21
Iron in Foods	178	METEOROLOGY		Mercury-Vapor Plant Rock Island Project Completed	35
Milk, Thunder Does Not Sour	186	Thunder Does Not Sour Milk	186 298	Rock Island Project Completed	23
Salmon Fisheries	230	MINES AND METALLURGY	290	Susquehanna Hydro-Electric Develop- ment	0
Sugar from ArtichokesSugar, Non-Lumping	47 314	Alloy, Brazing (Sil-Fos)	250	PRISONS	-
Turnip Sauerkraut	112	Alloy, Corrosion Resisting, for Fine	202	Women's Prison	3
Turnip Sauerkraut Vitamins Reduce Lost Working Time	360	Soldering Aluminum, U. S. Produces Most	302 120	PROHIBITIONPSYCHOLOGY	1
FOREIGN AFFAIRS		Arc Welding Competition Awards	112	Forty, Too Old at	26
Weapon for Peace (Hoover-Stimson Doctrine)	203	Bureau of Mines Aids Industry Gold on Animal Hides	38	QUARRYING	
FORESTRY		Gold on Animal Hides	356	Quarry, Modern Granite	29
Radio in the Forest Service	152	To Make	160	Advertising in Programs	26
Sap Stain Prevention Telephone for Forest Service	375	Japanese Alloying Art (Nara Buddha)	243	Aircraft Radio Covers Two Wave-	20
FILET'S		Looking at Stresses Metal Adhesives and Protected Metal	280 114	bands	31
Chemistry in Gasoline Ads	120		121	Eclipse Effect on Radio	30
"Coffee-Gas" in Brazil	170 300	Metallized Wood	307	Forest Service, Radio In The	10
Oil Burning Efficiency Improved	178	metals, Use for Rare	106	Police Radio Broadcasts	4
Oil and Coal Combined	293	Ore Detector	232 235	Radio, Portable Signal Corps	36
Oil Furnace, General Electric's	294	Platinum Reflectors	313	Skip Distances in Airplane Radio Volume Control, Remote	4
Rubber Burned in GratesGAME	123	Precious Metals, Recovering	163	RAILROADS	-
Iron Rod Flushes Game	170	"Rock Wool" Insulating Material	59 170	Freight Car, Peregrinations of Freight, "Post Office" for	14
GARDENING		Selenium Protects Alloys Stainless Steel Beer Kegs	354	Freight, "Post Office" for	22
Fruit Trees, Dwarfing Lawn "Brown Patch" Remedy	102 110		104	Rail Tire	12
GEMS AND PRECIOUS STONES	110	Stainless Steel, Two-Ply	309	Tests on Car Springs	12
Amateur Gem Stone Polishing	48	MISCELLANEOUS	56	Tests on Car Springs	4
GEOLOGY		Clothing Reform	104	RAYS Cathoda Baya Detect Flaments	24
Avalanches and Avalanche Protection Ore Detector	207 232	Documents, Ultra-Violet Light and	204	Cathode Rays Detect Elements Infra-Red Ray Photography	1
Springs, Big	284	Dust Recorder Employee's Ideas Aid Industry	301 203	Ultra-Violet to Light Dashboards	23
GLASS		Fire Hydrant, Unique	310	Ultra-Violet Light and Forgery	20
All-Glass Plant Produces Bromine	364 164	Fire Hydrant, Unique Fountain Pen, Water-Filled Insect Spray Keeps Cats and Dogs	369	Ultra-Violet Needs of BodyX-Ray Treatment of Plants	16
Automobile Glass, Duplate	186	Insect Spray Keeps Cats and Dogs	104	X Rays in Cancer Treatment	30
Rasorite Discovery Promises Better		AwayLibraries in Depression.	221	REFRIGERATION. See Ice and Refrig	gera
Glass Unbreakable Glass	57 292	Libraries in Depression Newspapers, Colored, in Siam. Rat "Digests" Steel Ball.	169	RUBBER .	
HEATING AND VENTILATION	230	Slot Machines for Gambling	292 350	Florida Vine Shows High Rubber	
Humidifier, Home Humidity Lowered by "Lamisilite" Oil Furnace, General Electric's	249	Slot Machines for Gambling Typewriter, Low Priced	242	Content	31
Humidity Lowered by "Lamisilite"	169 294	MOVING AND TALKING PICTURES		Home-Grown Rubber, Factory Makes Old Tires for Shoes	11
HOUSEHOLD	294	Animal Filming	326 170	Rubber Paint	18
Dutch Oven Ranges, Electric	113	Animal Filming Four-Image-Per-Frame Camera Kirby Race-Timing Camera	293	Rubberized Paper	18
"Elevator" for Stairways	313		49	Tire for Pail Hee	4
Sash Weights and Pulleys, Springs Replace	114	Talkie Troubles	327	Tires, Factory Punishment for	21
ICE AND REFRIGERATION		Chipmunk Speed	364	Tires, Factory Punishment for Tires, Tractor, "Zero Pressure" Welt, Mohair-Rubber	31
Gas Refrigerator, Chemicals in New Quick-Freezing Process ("Z")	48	Goat, Domestic, Joins Wild Deer	56	Welt, Mohair-Rubber	25
Quick-Freezing Process ("Z")	370	Insects, Muscular Power of	148	Children, Accidents to Worried, Tired	11
Ante Gassing in the Lawn	48	Poisonous Mexican Toads	113 42	Gas Hazard Tester, Explosive	17
"Fly Swatters," Chemical	247	Snake Charmers and the Cobra Turtle, Two-Headed	355	Goggles For Glass Blowing	12
Ants, Gassing, in the Lawn "Fly Swatters," Chemical Insect Pests, New Indictments	0.2	Turtle, Two-Headed NAVY. See Army and Navv ORDNANCE		Goggles For Glass Blowing Mines, Bureau of, Aids Industry Non-Sharterable Auto Glass	16
Against Muscular Power of Insects	92 148	ORDNANCE Wolded	349	SCIENCE	
IEWELRY. See also Gems		Gun Carriage, Welded	160	Amateurs in Science	17
"Assembled" Jewelry (Opal)	82	PAPER		Research in the Future	1
"Assembled" Jewel (Opal)	242 163	Green Wrapping Protects Food	250 59	Rebuilding Society	33
Recovering Precious Metals Wedding Rings, Platinum	110	Rubberized Paper	185	SPORTS	
LOCKS		Paper from Southern Pines Rubberized Paper Rubberized Paper Still Good 900-Year-Old Paper Still Good PATENTS AND TRADEMARKS Austrian War-Time Inventors to Be	177	Boxing Match Scoreboard Golf Ball, Finding Lost, by Chemistry Golf-Club Head Speed Measured	10
Padlock, Combination	120	PATENTS AND TRADEMARKS		Golf-Club Head Speed Measured	18
Recording Lock MARINE. See also Boats	376	Austrian War-Time Inventors to Be	60	Race-Timer Camera	29
Bremen's Food Supply	158	Aviation, Basic, Patent Suit Dis-		TEXTILES	-
Bremen's Food Supply Bridge, On The Captain's	98	missed	125	Cotton, New Uses for	30 36
Ship	210	Cable Patent Claims Invalid Candy Trademark Decision	124 124	Creaseless Textiles Mohair and Rubber Welt	25
Ship Manhattan Makes Record	295	Canning Method Held Not Inventive	253		
"Metal Mike"	170 362	Contempt Proceedings in Patent Suits	378	Waterproof "Suede" Fabric	24 10
Ships for Our Foreign Trade, More	334	Colleges May Acquire Patents 203	252 252	Kayon Process, Revolutionary Silk, Real "Artificial" Waterproof "Suede" Fabric TIME KEEPING	
Ships for Our Foreign Trade, More Stabilizer on Conte di Savoia	224	Contempt Proceedings in Patent Suits Chromium Plate Patent Upheld		watch, why It Keeps Time	28
Support for Our Merchant Marine	331 355	Curb for	100	TRADEMARKS. See Patents and Tradem TOOLS	ark
Wake, Study of Ship's MEDICINE	333	Curb for	61	Diamond Substitutes in Wire Dies	12
Anesthetic ("Diothane")	186	nied	378	Profile Gage	17
Asthma Relieved by Artificial Fever 104, Bleeders' Disease Treatment	371	Fireproofing Patent Claims Invalid	125	Society of Tool Engineers	4
Gerbon Tetrachlorida and Drinks	355	"Flit" and "Zit"	379 379	Profile Gage Society of Tool Engineers Torch, Gasoline Cutting Welding Blowpipe, Oxy-Acetylene	5
	355 111	Historical Patents. Exhibit of	125	WELDING	3
Children, Accidents to Worried, Tired Cold "Remedies" Sometimes Over-		Hosiery Trademark Granted	379	Arc Welding Competition Awards	11
rated Copper, Must We Eat?	355	nied Fireproofing Patent Claims Invalid "Filit" and "Zit" "Hessian" Registration Refused Historical Patents, Exhibit of Hosiery Trademark Granted "Kisabel" Versus "Ise'bell" in Trademarks	61	Arc Welding Technique, Shielded	12
Deafness, Sex-Linked	292 109	Trademarks	61	Brazing Alloy (Sil-Fos)	25
Deafness, Sex-Linked Diabetes, Worthless "Cures" for	364	Process	189	Arc Welding Technique, Shielded Blowpipe, New Oxy-Acetylene Brazing Alloy (Sil-Fos) Dwelling House Welding	33
Drugs Removed from Market	250 49	Meritorious Patents. How the Courts	378	Gun Carriage, Welded Hangar With All-Welded Floors Roof, Self Supporting, Welded "Universal" Solder (Alumaweld)	34
Eyes, Protruding, Operation on	168	Mushroom Piling Patent Valid	316	Roof, Self Supporting, Welded	37
Drugs Removed from Market. Ether Containers. Eyes, Protruding, Operation on "Fat Reducers" Often Harmful. Hangovers Why They Hangover	233	Treat Mushroom Piling Patent Valid Newspaper Title Mark Oiling Patent Valid and Infringed	379	"Universal" Solder (Alumaweld)	4